DOCUMENT RESUME

ED 072 009 SP 006 014

AUTHOR	Gemmecke, Barbara J.
TITLE	Ecology Pollution Conservation. A Bibliography of Instructional Materials for Elementary School Teachers.
INSTITUTION	Indiana State Univ., Terre Haute. Curriculum Research and Development Center.
PUB DATE	Nov 71
NOTE	52p.
EDRS PRICE	MF-$0.65 HC-$3.29
DESCRIPTORS	*Annotated Bibliographies; Conservation Education; Ecology; *Elementary School Curriculum; *Elementary School Teachers; *Instructional Materials; Pollution; *Teacher Education

ABSTRACT

This annotated bibliography contains material which is helpful to the elementary school teacher in the fields of conservation, ecology, and pollution. All items are classified under the Dewey Decimal System to facilitate their location in school and public libraries. Grade levels are also indicated for each item. The section entitled "Books" is subdivided under the headings of conservation, pure science, and applied science. The remaining sections present items on 1) filmstrips, 2) motion pictures, 3) periodicals, 4) sources of professional information, 5) professional periodicals, 6) charts, pictures, transparencies, units of work, posters, 7) organizations, 8) directory of book publishers, and 9) directory of publishers of audiovisual materials. (BRB)

THE CURRICULUM RESEARCH AND DEVELOPMENT CENTER

School of Education, Indiana State University

The Curriculum Research and Development Center of Indiana State University provides school systems the opportunity to secure aid, encouragement, and cooperation in curriculum development projects. It coordinates the participation of University personnel engaged in curriculum work, provides information concerning curriculum development, and initiates and sponsors curriculum research projects. It is the contact point where public schools initiate inquiries regarding curriculum and acts as a vehicle for communication between elementary and secondary schools and the University. Although the CRDC operates as an agency of the School of Education, it represents all departments of the University engaged in curriculum development projects.

Services of the Center are of these major types:

Consultant services—The Center makes available specialists in various curriculum areas to aid in curriculum development. This is on a contract basis and can be adjusted to the needs of the particular task.

Leadership—In the Center, University personnel and others have an agency through which curriculum change can be advocated and other opportunities to exercise leadership provided.

Workshop and Conferences—One function of the Curriculum Research and Development Center is the planning and directing of on-campus conferences and workshops as well as those carried on in a school system engaged in curriculum development.

Printed Materials—The Center produces courses of study, bibliographies, and similar materials.

Research and Experimentation—The Center provides an environment which encourages research through supplying materials and services needed for experimentation, providing an atmosphere for communication and sharing of ideas, and aiding in acquiring funds for worthy projects.

David T. Turney
Dean, School of Education

Charles D. Hopkins
Director

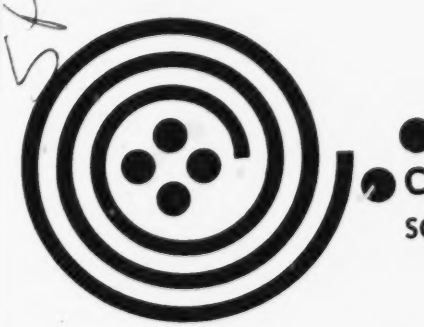
ED 072009

ECOLOGY POLLUTION CONSERVATION

U.S. DEPARTMENT OF HEALTH, EDUCATION & WELFARE
OFFICE OF EDUCATION
THIS DOCUMENT HAS BEEN REPRODUCED EXACTLY AS RECEIVED FROM THE PERSON OR ORGANIZATION ORIGINATING IT. POINTS OF VIEW OR OPINIONS STATED DO NOT NECESSARILY REPRESENT OFFICIAL OFFICE OF EDUCATION POSITION OR POLICY.

A Bibliography of Instructional Materials for Elementary School Teachers

SP006 014



CURRICULUM RESEARCH AND DEVELOPMENT CENTER
SCHOOL OF EDUCATION, INDIANA STATE UNIVERSITY ● TERRE HAUTE

The material for this bulletin was prepared by:

Barbara J. Gemmecke
Elementary School Librarian
Vigo County School Corporation
Terre Haute, Indiana

Published by:

The Curriculum Research and
Development Center
School of Education
Indiana State University
Terre Haute, Indiana 47809

November 1971

PREFACE

Mrs. Barbara Gemmecke is a school librarian for the Vigo County School Corporation. She is currently serving as librarian for two elementary schools.

Mrs. Gemmecke elected to enroll in Science Education 580, "Research in the Teaching of Science," as a part of her program for achieving "thirty hours beyond the master's level." In view of her experience as a librarian and her dedication to the education of children, I suggested that she prepare an annotated bibliography of resource materials in some area of science. Mrs. Gemmecke immediately identified ecology, pollution and conservation as related areas in which elementary school teachers indicated a great need for assistance.

This is Mrs. Gemmecke's bibliography of resource materials. I am sure it will be a valuable source of information for elementary teachers who are planning teaching units.

November 1971

Charlotte M. Boener
Associate Professor of
Science Education
Science Teaching Center

A land ethic for tomorrow should be as honest as Thoreau's Walden and as comprehensive as the sensitive science of ecology. It should stress the oneness of our resources and the live-and-help-live logic of the great chain of life. If, in our haste to "progress" the economics of ecology are disregarded by citizens and policy makers alike, the result will be an ugly America.

Stewart Lee Udall
The Quiet Crisis

TABLE OF CONTENTS

I.	INTRODUCTION	1
II.	BOOKS	3
III.	FILMSTRIPS	20
IV.	MOTION PICTURES	25
V.	PERIODICALS	28
VI.	SOURCES OF PROFESSIONAL INFORMATION	29
VII.	PROFESSIONAL PERIODICALS	31
VIII.	CHARTS, PICTURES, TRANSPARENCIES, UNITS OF WORK, POSTERS	33
IX.	ORGANIZATIONS	36
X.	DIRECTORY OF BOOK PUBLISHERS	38
XI.	DIRECTORY OF PUBLISHERS OF AUDIO-VISUAL MATERIALS	42

CONSERVATION PLEDGE

I GIVE MY
PLEDGE AS AN AMERICAN
TO SAVE AND FAITHFULLY TO
DEFEND FROM WASTE THE
NATURAL RESOURCES OF
MY COUNTRY - ITS SOIL
AND MINERALS, ITS
FORESTS, WATERS,
AND WILDLIFE

INTRODUCTION

This bibliography is the result of a survey of current selection aids and school library collections. Selection aids utilized were:

Appraisal, Science Magazine

Basic Book Collection for Elementary Schools, A.L.A.

Best Books for Children

Booklist and Subscription Books Bulletin, A.L.A.

Books for Elementary School Libraries

Books on Exhibit (1970)

Catalog of Educational Films and Filmstrips, Indiana State University

Children's Catalog, Wilson (1965 ed. and supplements)

Elementary School Library Collection, 5th ed. Bro-Dart

Film Guide, Indiana University

Horn Book Magazine, HornBook, Inc.

Instructional Materials Catalog, Vigo County School Corporation

Science and Children (N.S.T.A.)

Science Books; A Quarterly Review (A.A.A.S.)

Science Lists (A.A.A.S.)

School Library Journal, Bowker

The newly adopted science texts for Indiana were examined and suggestions for instructional materials in ecology, conservation, and pollution were found to be inadequate. A logical conclusion is that there appears to be a real need for supplementary materials in these important areas.

In this bibliography an attempt has been made to include the newest titles available as well as older titles of approved quality. The prices may vary from those quoted, although many have been updated with those from Baker and Taylor's (a book jobber) 1971 catalog. Paperback titles on the subject of ecology for children are very limited in number and thus have not been included.

The Dewey Decimal Classification is given to facilitate location in school and public libraries. Grade levels are indicated in the following way:

P - Primary (K-3)

I - Intermediate (4-6)

A - Advanced (for exceptional reading ability)

Other symbols used are:

AP - Art print

AU - Activity Unit

Ch - Chart

E - Easy

Bk - Book

MP - Motion Picture

Mur - Murals

P - Picture

Ph - Photographs

Rec - Record

Ref - Reference

SFS - Sound Filmstrip

SP - Study Print

Tran - Transparencies

II

BOOKS

300 - 333 CONSERVATION

330.978 L — Dust Bowl. Lauber, P. Coward-McCann, 1958. $2.66.
A dramatic account of the Great Plains region and its development into a dust bowl. New conservation methods being tried today are also noted. (A)

333.7 L — America's Endangered Wildlife. Laycock, George. Norton, n.d. $4.51.
A discussion of fifteen of the rare or endangered animals of North America. Information includes how and where they live, why they are endangered, and what is being done to save them. (A)

333.7 G — Children of the Ark. Gray, Robert. Norton, c1968. $4.14.
Ecological problems facing over thirty species of land mammals, birds, and reptiles are discussed. (A)

333.7 H — Conservation and You. Hitch, Allen. Van Nostrand, c1964. $3.50.
The need for preserving wildlife and wildlife areas and for maintaining the delicate balance of nature upon which mankind's survival depends is stressed. (A)

333.7 H — Conservation in America. Hogner, Dorothy Childs. Lippincott, c1958. $2.65.
Describes projects to save specific animals from extinction and activities of government and private agencies to conserve our natural resources--wildlife, forests, fish, land and water. (A)

333.7 B — Conservation of Natural Resources. Boy Scouts of America, 1967 (Paperback). $ .45.
Problems of water and air pollution, interrelations of resources; laws for, and careers in conservation. (I-A)

333.7 D — The Conservation of Nature. Duffy, Eric. McGraw-Hill, c1970.
The author stresses soil fertility, safeguarding our water resources, wildlife conservation, and the danger of pesticides. (A)

333.7 S — The First Book of Conservation. Smith, F.C. Watts, c1964. $2.81.
Story of our natural resources and wildlife, how the interrelations set up by nature have sometimes been damaged, and what is now being done to preserve, protect, and renew our natural resources. (I-A)

333.7 H — The First Book of Wildlife Sanctuaries. Harrison, C. William. Watts, c1963. $2.81.
Describes establishment and development of sanctuaries and refuges in United States. (I)

333.7 B — Freedom and Plenty: Ours to Save. Bronson, W.S. Harcourt, 1953. 132 p. illus. $3.37.
This survey of conservation problems traces man's destructive trail across the American continent and points out conservation remedies. Carefully prepared, this book can be used by schools and club groups. (I-A)

333.7
L

Let Them Live. Lathrop, D.P. Macmillan, 1951. $3.50.
A passionate plea is made for the conservation of wildlife. Brief sketches describe the lives and habits of animals, birds, and insects, and their place in Nature's plan. (I)

333.7
S

New Worlds for Wildlife. Sutton, Ann and Myron. Rand McNally. $4.79.
A chronicle of conservationists' heroic efforts all over the world to save animal species. A reasoned and positive approach to wildlife conservation. (A)

333.7
U.S.

Outdoors U.S.A. U.S. Department of Agriculture, U.S. Government Printing Office, 1967. $2.75.
Many brief articles on an important subject covered under: The big woods, water, beautification, and the countryside--all on the theme of conservation of our natural resources. (I-A)

333.7
T

Park Rangers and Game Wardens the World Over. Torbert, Floyd James. Hastings House, 1968. $3.96.
Duties and responsibilities of park rangers, game wardens, and other conservation officers in sixteen countries are discussed. (I-A)

333.7
M

Saving Our Wildlife. McCoy, J.J., Crowell-Collier, c1970. $5.95.
Recounts the history of wildlife destruction in the United States and discusses the growth of the conservation movement. (A)

333.7
M

Shadows Over the Land. McCoy, J.J., Seabury, 1970. $4.95.
A discussion of air and water pollution, pesticides, threatened wildlife and wilderness areas, and urban blight with conservation suggestions for young people. (I-A)

333.7
A

The Sign of the Flying Goose: A Guide to the National Wildlife Refuges. Published for the American Museum of Natural History Press, c1965. $3.99.
Seventeen million acres of wildlife refuges are described; seventeen refuges for America's most interesting mammals, birds, and reptiles are described. (I-A)

333.7
G

The True Book of Conservation. Gates, Richard. Children's Press, 1959. $2.44.
An easy-to-read story explaining how conservationists are working to preserve America's land and wildlife. (P-I)

333.7
T

Vanishing Wild Animals of the World. Titler, Richard. Watts, F. c1968. $5.96.
An explanation of how and why animals vanish, a survey of those that are endangered, and an explanation of how endangered animals can be saved. (I-A)

333.7
L

Waterfowl Tomorrow. Linduska, Joseph, Ed. U.S. Department of the Interior. Bureau of Sport Fisheries and Wildlife. Fish and Wildlife Service. Government Printing Office, 1964.
Definitive information for schools and students interested in waterfowl projects. (I-A)

333.7 L — Wild Refuge. Laycock, George. Natural History, 1969. $3.78.
An introduction to National Wildlife Refuge System and the devoted people who work to protect and preserve vanishing species of wildlife. (I-A)

333.7 H — Wildlife. Harrison, C. William. Messner, c1970. $3.64. Riches of the Earth Series.
Emphasizes the importance of wildlife conservation and stresses the steps to be taken if it is to be saved. (A)

333.7 V — Wildlife for America. Van Dursal, William R. Waick, 1970. $6.00.
An easy-reading, nontechnical book on wildlife conservation and management. Primary grades would enjoy the photographs. (P-I)

333.7 G — Wildlife in Danger. Green, Ivah. Coward-McCann, c1960. $3.49.
Describes twenty-nine extinct or nearly extinct American birds and animals. Explains laws which protect wildlife and what still needs to be done. (P-I)

333.7 G — Wildlife Rescue: Alternative to Extinction. Graham, Ada and Frank Jr. Cowles, c1970. $4.95.
Heroic efforts by a handful of dedicated people to rescue threatened wildlife. (A)

333.72 B — How to Kill a Golden State. Bronson, William. Doubleday, 1968. $6.95.
Pollution and destruction of the author's beloved "Golden State" is documented. Problems of smog, billboards, trash, insecticides, waterway reclamation, and scandalous timbering practices are discussed. (I-A)

333.9 B — The Clean Brook. Bartlett, Margaret Tarrington. Crowell, 1960. $3.97.
Nature's purification processes are described as we follow a sparkling brook which becomes littered and muddy, then clear again. (P-I)

333.9 P — The Only Earth We Have. Pringle, Laurence. Macmillan. $3.38.
Describes the gases, detergents, pesticides, and water materials which have become a threat to man's environment. (I-A)

333.9 A — Rain, Rivers, and Reservoirs: the challenge of running water. Archer, Sellers G. Coward-McCann, 1963. $2.66.
Illustrated discussion of the importance of water conservation, past, present, future. (I-A)

333.9 H — Rivers and Watersheds in America's Future. Helfman, Elizabeth S. McKay, c1965. $4.19.
Use and abuse of rivers and watersheds from the earliest times to the present; emphasizes effect of changing rivers; need for responsible future planning is stressed. (A)

333.9 M — Water at Work. Meyer, Jerome S. World, 1963. $4.91.
Water is defined, and its availability and wise use are discussed. (I-A)

333.9 R — Water for Your Community. Radlauer, Edward and Ruth Radlauer. Elk Grove, 1968. $3.99.
Discusses the need for water, where water comes from, and the way it is stored and distributed. (P-I)

333.9 G — Water: our most valuable natural resource. Green, Ivah. Coward, McCann, c1958. $3.49.
Discusses sources of water, its cycles, its wise use through improved methods of farming and conservation practices. (I-A)

333.9 B — Water: Our Vital Need. Buehr, Walter. Norton, c1967. $3.69.
Includes a description of the water cycle and the characteristics of water, emphasizes that water is essential to life. Water conservation, the control of water pollution, and desalination are also discussed. (I)

333.9 B — Water--Riches or Ruin. Bauer, Helen. Doubleday, 1959. $4.12.
A discussion of the necessity of water conservation, stressing the possible future consequences of today's apathy. (I)

347.9 S — How a Law is Made: The Story of a Bill Against Air Pollution. Stevens, Lonard A. Crowell. $3.95.
Explains the process by which ordinary people just like you and me make the laws that affect our lives. (I-A)

353.3 C — Fish and Wildlife: the story of the work of the United States Fish and Wildlife Service. Colby, C. B. Coward-McCann, c1955. $2.97.
Protection of fish and wildlife by the agency; replenishment of species and research for better use of fish and wildlife resources is stressed. (I)

353.3 C — Park Rangers. Colby, C.B. Coward-McCann, 1955. $2.50.
The life of a man who must be guide, surveyor, policeman, fire fighter, and rescuer of wild life and tourists in one of our national parks is described. (I-A)

500 - 599 PURE SCIENCE

500 M — Little Wonder Books. Charles E. Merrill Co. 400 South Front Street, Columbus, 15, Ohio. Fifteen cents each. (P-I)
No. 104 Story of Seeds
No. 204 Plants That Give Us Food
No. 207 Where Animals Live
No. 407 Trees
No. 410 Color Protection
No. 501 Our Land of Plenty
No. 512 Balance in Nature
No. 514 Early Life on Earth
No. 615 The Earth

540.72 S — The Chemistry of Soap. Stone, A. Harris. Prentice-Hall, 1968. $3.16.
Thought-provoking experiments which revolve around a cake of soap, simple household materials, and an inquiring mind. (I)

550 D — What is the Earth? Darby, Gene. Benefic Press, c1961. (The What Is It Series) $2.00.
Wise use of soil is pointed out in this volume. A filmstrip is available to accompany the book. (P)

551 E — The Dirt Book. Evans, Eva Knox. Little Brown, c1964. $3.75.
The story of dirt from the beginning, where it came from, how it was made, what kinds there are, and what each kind does for you. (I-A)

551 D — Spaceship Earth: A Space Look at Our Troubled Planet. Dwiggins, Don. Golden Gate, 1970. $4.27.
An account of the new technology being developed to relieve the worldwide emergency brought about by pollution and over-population with emphasis on Earth Resources Technology Satellites. (I)

551.3 F — The Land We Live On. Fenton, Carroll Lane. Doubleday, c1966. $3.51.
Tells about the prairies, deserts, mountains, mesas, and tablelands of the United States, how they came to be, and how people can help preserve the land. (I)

551.4 D — About Rivers. Dickey, Albert. Melmont, 1959. $2.25.
The development of rivers is discussed, also man's control and use of rivers is related. (P-I)

551.4 R — A Drop of Water. Rosenfeld, Sam. Harvey-House, 1970. $3.25
What happens to a drop of water and of what is it composed? (I)

551.4 N — The First Book of Rivers. Naden, Corinne. Watts, 1967. $2.44.
A study of the value of rivers, their power of erosion, and the problem of their pollution. (I)

551.4 D — Fresh Water, the Precious Resource. Davies, Delwyn. Doubleday, 1969. $6.70.
Recommended for reference use in elementary school libraries. (I-A)

551.4 N — Grasslands Around the World. Naden, C.J. Watts, c1971. $3.75.
An explanation of location and definition of grasslands and their importance in feeding the world's population. (I-A)

551.4 A — Home Beneath the Sea: An Introduction to Ocean Ecology. Arnov, Boris. Little Brown. $4.45.
Vivid descriptions of special areas of the sea; might serve as inspiration for additional study of marine ecological concepts. (I-A)

551.4 P — Junior Science Book of Water. Peterson, Ottis. Garrard, 1966. $2.39.
Tells what water is, how it is formed, how the water cycle works; and how science uses and misuses it. (I)

551.4 G — Rivers. Goetz, D. Morrow, 1969. $3.36.
Survey of some of the special characteristics of some of the world's rivers, the flora and fauna on the shores of the Patomic and the importance of conservation. (I)

551.4 G — Water for America: the story of Water Conservation. Graham, Ed.H. Walck, c1956. $3.75.
A topical presentation of the importance of water, how it is used and the importance and methods of conserving water. (I)

551.4
H

What is Water? Hageman, Adaline. Benefic Press, c1960. $2.00.
The text stresses the importance of the wise use of water. (P-I)

551.4
B

Where the Brook Begins. Bartlett, Margaret F. Crowell, 1961. $2.95.
A description of the source of water in a brook and how larger streams are formed, in rhythmic words and pictures. (P)

551.4
F

Wild Folk in the Desert. Fenton, Carroll L. Day, 1958. $3.96.
Some of the habits, diets, life cycles and means of protection of the flora and fauna of five deserts of the United States are explained and many kinds of adaptions which make life possible are pointed out. (I)

551.5
S

Randy Raindrop Takes a Trip. Shigley, Forrest D. Denison, 1960. $3.99.
The story of the water cycle, including evaporation and precipitation is told through the travels of Randy Raindrop. (I)

574
N

As We Live and Breathe. The Challenge of Our Environment. National Geographic Society. 200 pp. color. $4.25.
Learn how concerned Americans are reshaping their own lives to preserve the delicate balance of nature. (A)

574
B

The Clean Brook. Bartlett, M.F. Crowell, 1960. unp. illus. $2.65.
A well illustrated, very elementary description of the natural pollution and purification of a stream. (P)

574
A

Day and a Night in the Arctic. Adrian, Mary. Hastings, c1970. $3.66.
A nature story that reveals the relationship between the individual concerns of Arctic animals and the balance of nature they unknowingly help to maintain. An excellent introduction to ecology. (P-I)

574
H

Field Book of Nature Activities and Conservation. Hillcourt, William. Supply Division, Boy Scouts of America. North Brunswick, N.J. $4.95.
Broad outline of possible Scout activities in the field of nature and every conceivable nature hobby. (I-A)

574
H

High Meadow: the Ecology of a Mountain Meadow. Heady, Eleanor B. and Harold F. Grosset, 1970. $4.50.
The life of one meadow is described with its beginnings in the Ice Age, and as it is now during each of the changing seasons. Food cycles are described and death is shown as a part of life. Beginning students are given an excellent understanding of the term ecology. (I-A)

574
B

In Ponds and Streams. Buck, M.W., Abingdon, 1955. $3.00.
Flora and fauna that live on or around small bodies of water are described. Clear and attractive drawings; excellent index and bibliography. (I-A)

574 B — In Woods and Yards. Buck, M. W., Abingdon, c1950. $3.00.
A carefully checked handbook of nature study for beginning naturalists. Descriptions are informal, but accurate. Scientific names appear in the index; bibliography. (I-A)

574 B — In Yards and Gardens. Buck, M. W., Abingdon, 1952. $3.00.
Much information about animal and plant life commonly found in yards and gardens. Index. Bibliography. (I-A)

574 C — Pond. Carrick, Carol. Macmillan. $4.95.
A day in the life of a pond and the animals depending on it for food or shelter. Basic ecological concepts are introduced to the very young. (P)

574 D — A Vanishing Prairie. Disney, Walt. Simon & Schuster, c1958. $3.50.
Animals of the great prairie that are vanishing from the American scene are pictured through photographs that accompany the text. (I-A)

574 S — See Through the Forest. Selsam, M., Harper, 1956. $2.95.
The building of plant and animal life at each level of the forest from the dark, wet basement to the leafy roof is described. Interdependence of the plant, and animal community is pointed out. (P-I)

574 J — The Southern Swamps of America. Johnson, James R. McKay, c1970. $3.67.
About five famous areas set aside as swamp refuges: Okefenokee National Wildlife Refuge in Georgia, Everglades National Park, Corkscrew Swamps, and Big Cypress Swamp in Florida, and Reelfoot Lake in Tennessee. (A)

574 N — The Young Scientists. Navarra, John G. and Zalforoni, Joseph. Harper and Row. 6 vols.
A complete elementary basic series that coalesces all science learning into visible science property. Published for education in ecology. (I-A)

574.5 S — Find a Career in Conservation. Smith, Jean. Putnam, 1959. $2.75.
A helpful, interesting introduction to career opportunities in conservation. (A)

574.5 S — First Book of Water. Smith. Watts, 1959. $2.50.
Importance of water composition, use in agriculture and industry. Water cycle is also explained and methods of conservation discussed. (I)

574.5 H — Habitat. Halacy, D. S. Jr., Macrae, T., c1970. $4.95.
A comprehensive view of man in his context of cosmos and world explains the new concept of ecology that is the key to the survival of our species. (A)

574.5 H — The Living Community. Hirsh, S. Carl., Viking, 1966. $3.56.
A basic introduction to ecology, stressing man's need to use his resources wisely for benefit to all life. (I-A)

574.5 S — Natural Partnership, the story of Symbiosis. Shuttlesworth, Dorothy. Doubleday, 1969.
A useful collateral reading and study book for older grade school students. (A)

574.5 S — Nature's Way; a look at the Web of Life. Stephen, David and James Lockie. McGraw-Hill, 1969. $ .72.
A comprehensive pictorial introduction to the science of ecology. Bibliography. (I-A)

574.5 A — Nature's Ways: How Nature Takes Care of You. Andrews, Roy C. Crown, 1969. 206 pp. $10.00.
Of interest for student to read casually for increased knowledge of animals in general and might serve as stimulus for further inquiry. (A)

574.5 W — Our Tree. Herbert H. Wong and Matthew F. Vessel. Addison-Wesley, 1969. $3.26.
By observing their large oak tree throughout the changing seasons, a family learns to appreciate the tree's ecological role. (P)

574.5 — A Place in the Sun: Ecology and the Living World. Morrow, c1968.
Study of the living world around us. Brief information about the deserts, wetlands, grasslands, and the Arctic tundra. (A)

574.5 — The Pyramid of Living Things. McGraw-Hill, c1967. $4.33.
Basic ideas of ecology, food chains, adaptation and conservation by means of a triangle. Like a pyramid that narrows from base to peak, the productivity of living things decreases. (A)

574.5 K — The Tale of a Meadow. Kane, Henry B., Knopf, 1959. $3.00.
A study of the ecology of a meadow through the eyes and ears of a boy who learned to know it well. Can be read to younger children. (I)

574.5 C — Tia Maria's Garden. Clark, Ann Nolan. Viking, 1963. $3.04 net.
A literary walk through New Mexico's desert to see the plants and animals of the region. Jack Keats' illustrations are good. (P)

574.5 R — Watchers at the Pond. Russell, Franklin. Knopf, 1961. $4.50.
A year in the life of a pond in the wilderness is the basis for this beautifully written account. (I-A)

574.5 R — Water for People. Riedman, Sarah. Abelard, 1960. $3.00.
An account of major water engineering and conservation projects in the world. (I-A)

574.5 S — The Web of Life. Storer, John H. Devin, 1963. $3.60. (paperbound, Signet 2265. 60¢.)
Shows a natural community in action, how it grows, builds its own environment and changes that environment so that original plants and animals must give way to others. (I-A)

574.5 P — The Web of Nature. Pettit, Ted S., Doubleday, 1960. 56 pp. illus. $2.95.
A descriptive account of various types of ecological balance and of the need for conservation programs and practices. (I-A)

574.9 L — City Parks and Home Gardens. Lemmon, Robert S. Creative, 1960. $6.50.
Basic conservation practices are emphasized and flora and fauna are described. (I-A)

574.9 K — The Desert. Klots, Alexander B. Creative, 1960. $6.50. Community of Living Things Series.
Flora and fauna of the desert are introduced and basic conservation practices are introduced. (I-A)

574.9 R — Field and Meadow. Ress, Etta S., ed. Creative, 1960. $6.50. Community of Living Things Series.
A variety of ecological and natural history complexes are introduced. Basic conservation practices are emphasized. (I-A)

574.9 C — Forest and Woodland. Collins, Stephen. Creative, 1960. $6.50. Community of Living Things Series.
Flora and fauna of the forest and woodland are introduced and basic conservation practices are introduced. (I)

574.9 C — Fresh and Salt Water. Cadbury, Bartram. Creative, 1956. $6.50. Community of Living Things Series.
Two major kinds of water habitats, fresh and salt water are explored, stressing the importance of the role of water in the life of man and nature. (I-A)

574.9 F — The Land and Wildlife of North America. Farb, Peter. Time, c1964. $5.28.
Pristine and virgin country of North America before man are described. How greed and great disregard of man resulted in lost frontiers and destruction. Excellent photographs. (A)

574.9 B — Fresh-water Friends and Foes. Barker, Will. Acropolis Books, c1967. $1.95.
Describes wildlife of fresh-water ponds and how water pollution is a threat to all living creatures. Actions of agencies and industries to assure future fresh water are noted. (A)

574.92 W — Pond Life: Watching Animals Grow Up. Wong, Herbert H. Addison-Wesley. $4.75.
On three trips to a pond, two boys observe animal habits and growth. (I)

574.92 S — See Through the Lake. Selsam, Millicent. Harper, 1958.
Discover all the fascinating things in a lake that live in its marvelous community. (I)

581 S — Birth of a Forest. Selsam, M. E., Harper, 1964. $2.50.
The process by which a forest is born over a period of thousands of years is revealed. (P-I)

582
M — Because of a Tree. Milne, L. J. Atheneum Pubs. 1963. $3.95.
An ecological study emphasizing the inter-dependence among trees and various insects, plants, and animals. Nature facts organized for upper elementary school children. (I)

582.16
S — Vanishing Giants: the Story of the Sequoias. Silverberg, Robert. Simon and Schuster, 1969. $4.29.
The discovery and individual characteristics of the redwoods and sequoias are related along with the conflict between conservationists and lumbermen over their disposition. (I-A)

590
N — Children's Wildlife Books. National Wildlife Federation. Washington, D. C. $2.50. (P-I)
Animal Babies
Birds at Home
Friendly Animals
Homes and Habits of Wild Animals
Traveling With Birds

591
G — Children of the Ark: the Rescue of the World's Vanishing Wildlife. Gray, Robert. Norton, 1963. $4.14.
The story of those animals threatened with extinction and what is being done to save them by such organizations as the World Wildlife Federation. (I)

591.5 — The Tale of Whitefoot. Brandhorst, Carl T., and Robert Sylvester. Simon and Schuster Inc., 1968. $3.39.
Cycle of life of a whitefoot mouse for over a period of a year is recorded. (I-A)

591.97
S — Animals at Bay: rare and rescued American Wildlife. Stoutenburg, Adrien. Doubleday, 1968. $3.32.
The author stresses the unique role each species plays in the cycle of nature and the importance of protecting and preserving America's wildlife threatened with extinction today. (A)

591.5
S — Unusual Partners. Silverstein, Alvin and Virginia B. Silverstein. McGraw-Hill, 1968. $4.50.
Informative book for the beginning student of ecology. Needed by all school and public libraries. Such animals as the honey guide, honey badger, plover, tickbird, and ants who milk "aphid cows." (I-A)

591.5
R — City Critters. Russell, Helen Ross. Meredith, 1969. $3.95.
Worthwhile reading for young people for learning some fundamentals of ecology and conservation. (I-A)

591.97
M — The Wildlife of North America. Mason, George F. Hastings House, c1966. $3.13. (Hastings House World Conservation Series)
George Mason traces animal life on our continent from three hundred million years ago and relates how many once abundant species have been forced to near or complete extinction. More efficient ways of hunting, draining of marshes, use of pesticides, and water pollution are speeding wildlife losses. (I-A)

598
McM
Man and the California Condor. McMillan, Ian. Dutton, 1968. $5.95.
Much information on the natural history of the condor, one of a vanishing species, of interest to ornithologists, conservationists, and naturalists. (A)

598.2
T
The Flight of the Snow Goose. Trischet, Berniece. Crown, $3.35.
A picture storybook of the snow goose's fight for survival and the story of his triumph over natural and man-made dangers. (P-I)

598.2
S
A Vanishing Thunder. Stouternberg, Adrien. Published for the American Museum of Natural History. c1967. $4.12.
This publication is concerned with American birds that are threatened with extinction, and the need for their conservation. (A)

598.3
M
Whooping Crane. McClung, Robert M. Morrow, 1959. $3.78.
Story of a whooping crane, his mate and their son as they encounter danger, tragedy, and challenge. (I)

598.4
H
The Last Trumpeters. Hutchins, Ross E. Rand McNally, 1967. $3.47.
A colorfully illustrated story of the behavior and characteristics of the trumpeter swans, a bird in danger of extinction. (I)

598.6
A
The American Prairie Chicken. Adrian, Mary. Hastings House, 1968. $3.24.
An account of the events in the endangered life of a typical prairie hen. Bibliog. (I)

599
R
Beaver. Roels, Iliane. Grosset. $2.19.
The child is introduced to all the fascinating facts about beavers and their patterns of living. (P)

599
B
Buffalo Land. Berry, William. Macmillan, 1961.
A word and picture history of America's grassland wilderness--its animal and plant life. (I-A)

599
V
Elephants and Mammoths. Vevers, Dr. Gioynne. McGraw-Hill, c1971. $4.33.
Habits of two kinds of elephants and mammoths left are described and man's need to conserve these animals is stressed. (I-A)

599
M
The Life Picture Book of Animals. Mason, Robert G., ed. Little Brown, 1969. 64 pp. illus. $3.95.
47 full color photographs of wild animals, especially for pre-school children. (P-I)

599
H
Little Chief of the Mountains. Hutchines, Ross E. Rand McNally. $3.79.
How the coney, or pika, lives in balance with his environment, with many sidelights on other wildlife of the western United States. (I)

599
S
Tigers. Stracey, P.D., Golden, 1968. $3.95.
Useful to one who is interested in the ecology, evolution, or conservation of larger carnivores. (I-A)

599.2
E

Koalas Live Here. Eberle, Irmengarde. Doubleday, 1967. $4.12.
Koalas well equipped for the life they live in Australian trees are introduced and their conservation is described. (I)

599.3
C

Junior Science Book of Beavers. Crosby, Alexander L. Garrard, 1960. $2.39.
Beavers were once almost extinct in the United States but they now play an important role in conservation with their dams, canals,and lodges. (I)

599.3
P

Whitefoot Mouse; all through the night. Peterson, Barbara and Russell F. Holiday, 1959. $2.96.
Describes the habits of the whitefoot mouse and illustrates the interdependence of plants and animals within the natural community. (P-I)

599.7
A

The American Mustang. Adrian, Mary. Hastings House, c1964. $2.63.
Story of the life of mustang in the open spaces of the Southwest with a plea to provide restricted grazing areas for their protection. (I)

599.7
A

The North American Bighorn Sheep. Adrian, Mary. Hastings House, 1966. $3.24.
The life cycle of the typical bighorn which includes a plea for conservation of wilderness areas essential to the survival of this majestic creature. (I)

599.7
D

Seals and Walruses. Darling, Louis. Morrow. $3.36.
Describes the characteristics of life, economic history, and conservation of many species of seals and walruses. (I)

600 - 699 APPLIED SCIENCE

628
S

Clean Air-Sparkling Water, the fight against pollution. Shuttlesworth, Dorothy E. Doubleday, 1968. $3.23.
Story of the war against air and water pollution and how it is being waged throughout the world. (I)

628
L

Clean the Air: fighting smoke, smog and smaze across the country. Lewis, Alfred. McGraw-Hill, c1965. $3.26.
Describes the many pollutants in the air we breathe and the harmful effects on human life if not controlled; present progress and future projects; excellent photographs. (I)

628
K

Dangerous Air. Kavaler, Lucy. John Day, 1967. $3.00.
The causes, effects, and cures, of air pollution are described in relation to pollution's hazards to animal and plant life. (I-A)

628
K

Dimensions in Health. Kitzinger, Angela, PhD. Lyons and Carnahan, c1966. 32p.
Designed to supplement the basic health program, this unit text points out the causes, effects and control of air and water pollution. Activities and glossary. (I)

628 H — How Do They Get Rid of It? Hilton, Suzanne. Westminster, 1970. $3.30.
In this unusual approach to the problem of pollution are many intriguing, little known facts about waste disposal from garbage to old locomotives. (I-A)

628 C — Let's Go to Stop Air Pollution. Chester, Michael. Putnam, c1968. $2.43.
Air pollution and some of the methods used in its detection and control; role of weather; projects for further study. (I-A)

628 C — Let's Go to Stop Water Pollution. Chester, Michael. Putnam, 1969. $2.43.
Explains the causes and serious results of water pollution and describes the methods being used to counteract its effects and prevent its occurrence. (I-A)

628 B — Not Only For Ducks. Blough and Bendick. Whittlesey House. $2.25.
Conservation of water is the main subject. (P-I)

628 C — Water Fit to Use. Carlson, Carl Walter and Bernice Wells Carlson. Day, c1966. $3.86.
An engrossing account of water we use and abuse; how water is being polluted by the individual, industry, and agriculture, and what needs to be done. (I-A)

628 O — Who Will Wash the River? Orlowsky, Wallace. Coward, 1970. $3.49.
Information is timely and illustrations are pleasant in this easy-to-read ecology book of facts in story form of the pollution and purification of a river. (P)

631.4 B — Down the Mountain: a book about the ever-changing soil. Bartlett, Margaret Farrington. Young Scott Books, c1963. $2.44.
The nature of the soil, how it is produced and the differences in the soil and its productivity as you move down to where the plants begin to grow, where the terraces lie, then into the forest, and finally the meadow. (P-I)

631.4 S — A Handful of Soil. Simon, Seymour. Hawthorn, 1970. $3.95.
An open-ended experimentation and observation account, useful to the child and science teacher. (I-A)

631.4 V — The Land Renewed: the Story of Soil Conservation. Van Dersal, William. Walck, H. Z., c1946. $3.19.
Land is our most valuable resource and to neglect it would lead to ruin. Land renewal is a subject of great importance to the farmer, forester, and city dweller. (I)

631.4 C — Soil. Cromer, Richard. Follett, 1967. $1.59.
A simplified and fully illustrated study of the composition, formation, erosion, and importance of soil. (I)

631.4 P — Soil. Parker, Bertha Morris. Harper and Row (paperback). 60 cents.
How is something worth millions of dollars gradually disappearing? This and other questions about one of our most important resources are answered. (I)

631.4
C

Soil Savers. Colby, C. B., Coward-McCann, 1957. $2.50.
Children are introduced to the work of the Soil Conservation Service of The Department of Agriculture through photographs and a brief text. (P-I)

631.4
T

To Save the Soil. Talley, Naomi. Dial Press, c1965. $2.35.
In nature the wearing away of land is slow compared to the way man has abused it through stripping away forests, over-grazing, and failing to use measures to renew it. Ways and means of soil conservation are discussed. (I)

631.4
S

What is Soil? Syrocki, John B. Benefic Press, 1961. $1.35.
Simple explanation of the composition of soil and methods of conservation are described. Easy to read account. (I)

634.9
H

Forests: Riches or the Earth. Harrison, C. William. Messner, 1969. $3.95.
Basic botany, geographical distribution, and uses and abuses of the world's forest resources are discussed. (A)

634.9
M

The Friendly Forests. Moore, Alma C., Viking, 1963. $3.37.
The vital role of the forests and how we can help them remain America's greatest resources. (I)

634.9
W

Gifts from the Forest. Wall, Gertrude W., Scribner, 1958. $3.31.
Entire picture of lumber industry from tree to finished product. Text and photographs place emphasis on the importance of conservation of our timber resources. (I)

634.9
S

Life in the Forest. Snedigar, Robert. Meredith Press, c1962. $1.00.
Interdependence of wildlife and man in the forest environment is stressed. (P-I)

634.9
B

Lookout for the Forest; a conservation story. Blough, G. O. McGraw, 1955. $3.25.
A small boy learns how the forest is protected from fire, insects, and farm animals and of its gifts to man. (P-I)

634.9
L

Our Friend the Forest. Lauber. Doubleday, 1959. $3.78.
The first part surveys the forest and the trees in it, also animals. The second part investigates the part of man with the forest: forest products, harvesting, protection and conservation. (I)

634.9
M

The Phoenix Forest. Milne, Lorus and Margery. Atheneum, c1968. $3.95.
A wealth of conservation information is this story of the forest producing new life from a burned-over forest. (I-A)

634.9
B

The Picture Book of Timber. Brooks, Anita. Day, 1967. $3.69.
A description of the responsibilities and duties of the forester in modern logging including research into maintaining and using forests. (I-A)

634.9 D — Tree Farms; harvest for the future. Dowdell, Dorothy. Bobbs-Merrill, c1965. $2.68.
American Tree Farm System is explained including disease control, fire protection, clearance of slash, careful harvesting and replanting and the use of the land as a watershed, wild life refuge or recreational area. (I-A)

634.9 H — What Does a Forest Ranger Do? Hyde, Wayne. Dodd, Mead, 1964. $3.23.
Photographic activities of the varied activities of a forest ranger. (I)

639 H — The First Book of Wildlife Sanctuaries. Harrison, C. William. Watts, 1963. $2.81.
Discusses wildlife preservation in the United States and lists by states the major game refuges. (I-A)

639 P — Let's Go to a Fish Hatchery. Place, Marian T. Putnam, 1966. $2.43.
A visit to a fish hatchery demonstrates the various processes involved in raising trout, salmon, bass, and catfish to replenish America's rivers and streams. (I)

917.3 N — America's Wonderlands. National Geographic Society, c1959. 510 p. illus. $8.95.
World in Color Series
A beautiful volume of photographs of and articles about our national parks and monuments.
For travelers, nature lovers, budding scientists and all young adult and school library collection. (I-A)

917.3 J — National Parks: a guide to National Parks and Monuments of the United States. Golden Press, 1964. 165 p. illus. $4.98.
A book of practical value that describes the scenic wonders, the flora and fauna, the accommodations of twenty-seven National Parks and twenty-two National Monuments. (I-A)

FICTION - EASY

F
W
Action at Paradise Marsh. Wier, Peter. Stackpole Books, c1969. 172 p. illus. $3.60.
The existence of Paradise Marsh is imperiled by a real estate operator. "Radish" Johannsen helps to bring about the safety of the marsh and its wildlife. (I)

F
R
Jim Forest Readers. Rambeau, John. Harr Wagner, 1967. $26.98.
High interest, low reading ability books especially of interest to boys. (Twelve titles) (I)
Jim Forest and Ranger Don
Jim Forest and the Trapper
Jim Forest and the Ghost Town
Jim Forest and the Bandits
Jim Forest and Lightning
Jim Forest and the Mystery Hunter
Jim Forest and the Plane Crash
Jim Forest and Dead Man's Peak
Jim Forest and the Flood
Jim Forest and Lone Wolf Gulch

F
C
Who Has Poisoned the Seal? Coppard, Audrey. Phillips, c1970. $4.95.
A substance deposited in the sea in our day is poisoning the oceans and killing all sea life in the twentieth century. This story combines science fiction and suspense and raises some of the knotty problems of the twentieth century. (I)

F
P
Ollie, the Backward Forward. Philbrook, Clem. Hastings, c1970. $3.96.
There are lots of on-the-court laughs as Ollie lives up to his reputation as the "backward forward" plus some really up-to-date problems like pollution. (I)

F
P
The Wump World. Peet, Bill. Houghton, 1970. 44 p. $3.95.
A cartoon story of environment pollution. (P-I)

F
V
Wildfire. Valena, Evans. World, 1963. $4.91.
A forest fire starting in the tiniest of embers at the base of a tree, spreads through the valley and becomes a terror that drives the wildlife in headlong flight. A lyric story that captures the mood and texture of the wilderness. (I-A)

F
P
Farewell to Shady Glade. Peet, Bill. Houghton Mifflin, c1966. $3.23.
Mechanical monsters force the wild life of Shady Glade to leave for a new undisturbed home. Written from the point of view of the animals. (P-I)

E
A
Blaze and the Forest Fire. Anderson, C. W. Macmillan, 1938. $2.96.
Billy and Blaze, his horse, are able to sound the alarm and save a forest. (P)

E
Jeff and Mr. James' Pond. Meeks, Esther MacBain. Lothrop, Lee, and Shepard, c1962. $3.56.
Nature's plan for maintaining the balance of life is illustrated in this story of how Jeff and Mr. James kept the water of a pond clean and sparkling. (P)

E U — A Tree is Nice. Udry, Janice M., Harper, 1956. unp. illus. $2.95.
A picture book that conveys the "coolness, strength and fun" of trees to young children. (P)

III

FILMSTRIPS

FS
333.7 Conservation for Beginners. SVE Inc. E430-S. 6fs. $30.
Children are taught the elementary principles of conservation and the importance of our natural resources with original stories about friendly animals. (P)
430-1 Sonny Squirrel and the Pine Trees (33 fr.)
430-2 The Deer and the Haystack (27 fr.)
430-3 A Picnic for Dick and His Friends (24 fr.)
430-4 The Lamb and the Bluebells (26 fr.)
430-5 Susan and the Forest Fire (28 fr.)
430-6 The Muddy Raindrops (38 fr.)

FS
333.7 Conservation for Today's America. (Filmstrip) Society for Visual Education. 1967. $49.50. (I-A)
7 fs. (44 fr.) color, 4 phonodiscs, 7s, 12 in. 33 rpm.
An analysis of the importance of the conservation of natural resources (soil, forests, water, wildlife, mineral, urban, land). What causes the problems and what can be done.

FS Conservation in the City. Encyclopedia Britannica Series No. 11500. 3 fs. $6 ea. $18 set. 52 fr. ea.
Part I Underfoot
Part II Eyelevel
Part III Overhead
A new approach to conservation education stresses meaning of conservation in a city environment. (I-A)

FS
333.7 Conservation of our Resources. (Filmstrip) Eye Gate House, 1958. 9 fs. (av. 34 fr. each) color. Teacher's Manual. $39. (I-A)
Contents: This Land Is Ours; The waste of our resources; The need for conservation; Soil and its conservation; The Conservation of our Forests; The Conservation of Wild Life; The Conservation of Minerals; The Conservation of Human Resources.

FS
333.7 Conserving Our Natural Resources. (Filmstrip) Encyclodpedia Britannica Films, 1961. 7 fs. (av. 45 fr.) color $42.
Graphic photographs plus explanatory diagrams picture losses of natural resources and their causes, methods of restoration and principles of conservation.
Contents: Enough Water for Everyone; Giving Our Wildlife a Chance; Improving our Grasslands; Saving Our Soil; Using Our Forests Wisely; Using Our Minerals Wisely; What is Conservation? (I-A)

SFS 333.7 — Smokey Bear and Little Marcy. SVE
EC-101-SAR-5fs, 3 Rec. $49.50.
EC-101-SATC-5fs, 3 Cassettes $52.50. (P)
Children are taught the importance of forest fire prevention, conservation, and the interrelated roles of man and nature through song, poetry, and dramatic narration.
C101-1 Meet Smokey Bear
C101-2 Animals in the Forest
C101-3 A Picnic in the Forest
C101-4 A Hike in the Forest
C101-5 Being Careful With Fire

FS 333.9 — Water Servant to Man. Educational Reading Service, 1968. 40 fr. color. (Learn About Filmstrip Libraries Series) $6.00. (P-I)
Children learn the part played by water and rainfall in man's struggle with nature. Man uses water for conservation, power and for everyday living.

FS 551.4 — The Living Desert. E.V.E. Corp., 1956. 6fs. color. $36.
A photographic study showing most of the ecological concepts of this environment based on Walt Disney's film of the same title. (I-A)
Contents:
The Great American Desert
Mammals of the Desert
Plant Life of the Desert
Reptiles of the Desert
Small Creatures of the Desert
Survival in the Desert

FS 574 D — Discovering Life Around Us. Encyclopedia Britannica No. 1110. 5fs., color, 33 fr. ea. Producer-National Film Board of Canada. $6 each, $30 set. (P-I)
Relationships between living things are observed.
Ecological concepts are discovered.
A Visit to a Garden
A Visit to a Pond
A Visit to a Seashore
A Visit to a Woods

FS 574 — Exploring the World of Nature. S.V.E.
E 423-SA Set 6 fs. col., $38.50.
E 423-SB Set 6 fs. col., $38.50.
An ecological approach to the study of plants and animal relationships to their environment. Man's influence on plants and animals is also demonstrated. (I-A)
Group I
423-1 Let's Explore a Field
423-2 Let's Explore a Garden

423-3 Let's Explore a Lawn
423-4 Let's Explore a Pond
423-5 Let's Explore a Stream
423-6 Let's Explore a Woodland

Group II
423-7 Let's Explore the City, part 1
423-8 Let's Explore the City, part 2
423-9 Let's Explore the Dunes
423-10 Let's Explore the Desert
423-11 Let's Explore the Shore
423-12 Let's Explore a Salt Marsh

SFS 574.5 Ecology and Our Environment. Imperial Film Company, Inc. 4fs., tape or 2 rec.
For building a better understanding of ecological problems by students. (I-A)
1. Ecological Systems
2. Underwater Environment
3. Exploring the Seasons

FS 574.5 Ecological Imbalance: Six Systems Disturbed. Eye Gate, 1971. 6 fs. color. $6.50 ea. $35 set. (I-A)
X76A Upland Forest Despoilation and Imbalance
X76B Lowland Forest Despoilation and Imbalance
X76C Marshes Despoilation and Imbalance
X76D Grasslands Despoilation and Imbalance
X76E Streams and Ponds Despoilation and Imbalance
X76F Tidal Zone Despoilation and Imbalance
Investigates the despoilation and imbalances within the environment caused by man and nature.

FS 574.5 Interdependence of Living Things. (Filmstrip) McGraw-Hill Book Co. 1961. 6 fs. (40 fr. each) color. $36.50. (I-A)
Basic principles of ecology and the necessity for sound conservation practices, illustrated and explained.
Contents:
Animal and plant communities, city
Animal and plant communities, field
Animal and plant communities, forest
Animal and plant communities, pond
Introduction to Ecology
The Web of Life

FS 574.5 Introduction to Ecology. Eye Gate, 1971. 6 fs. color at $6.50 each. $35 set. (I-A)
X46A Upland Forest
X46B Lowland Forest
X46C Marshes

X46D Grasslands
X46E Streams and Ponds
X46F Tidal Zone
Designed to introduce students in grades four to eight to basic inter-relationships between plants and animals.

FS 574.5 Urban Ecology: Six Microsystems. Eye Gate. 1971.
X77A A Paved School Yard
X77B A Vacant Lot
X77C A Park
X77D A Park Pond
X77E A Grass Yard
X77F A Construction Site
6 fs., color. $6.50 each. $35 set.
Introduces concept that ecology is present in the cities as well as the country. (I-A)

FS 591 The Vanishing Prairie. (Filmstrip) Encyclopedia Britannica Corp., E.B. 8400, 1956. 6 fs. (50 fr. each) color.
$36.00 (I-A)
Based on Walt Disney Motion Picture The Vanishing Prairie
Contents:
The American Prairie; The American Buffalo; Prairie Dog; The Mountain Lion; Coyotes and Other Prairie Animals; Birds of the Prairie.

FS 599 The Arctic Wilderness. E.B.E. Corp. 1956. 6 fs. color $36.
Based on Walt Disney's motion picture of the same title, the photography explores the abundant life of arctic tundra and subarctic zones. (I-A)
Contents:
Wolverines and Weasels of the Northland
The Northland
Birds of the Northland
Arctic Foxes and Wolves
Marine Mammals of the Northland
Rodents of the Northland

SFS 614 America's Urban Crisis. S.V.E., 1970.
202-SAR 6 fs. 3 rec. $51.50. (I-A)
202-SARC 6 fs. 3 cassettes $57.50.
On site photography in six major cities.
202-1 The Roots of Our Urban Problem
202-2 The Air Pollution Menace
202-3 Water Pollution--A Complex Problem
202-4 Solid Waste--A New Pollutant
202-5 The Transportation Crisis

SFS 614

Young Scientists Investigate Pollution. Singer-SVE, Inc.
E428-SAR-4fs, 2 rec, 4 guides $32.50. (I-A)
E428-SATC-4fs, 2 cassettes, 4 guides $36.50.
Students tell of their science fair projects in which they analyze air and water pollutants.
428-1 Smog and Plant Growth
428-2 Air Pollution and Lung Tissue
428-3 Measuring Water Pollution
428-4 Fresh Water From the Sea

FS 627

Water and Soil. (Filmstrip) Bailey Films, 1951.
4 fs. b&w $14.50. (I)
Contents:
Why Water is Important (27 fr.)
Water is necessary for all life and is important for cleanliness, transportation, electricity, and recreation.
Water Cycle (40 fr.)
How Water Power Produces Electricity (42 fr.)
Conserving Water and Soil (32 fr.)

FS 634.9

The Forest Community. (Filmstrip) Perry, John. McGraw-Hill, 1964.
6 fs. color $35.50. (I-A)
Based on the book Exploring the Forest by John Perry.
Contents:
Building the Soil (51 fr.)
Where Trees Grow (52 fr.)
How Trees Grow (53 fr.)
Forest Plant and Animal Relationships (48 fr.)
Enemies of the Forest (49 fr.)
Forest for the Future (54 fr.)

IV

MOTION PICTURES

MP 301.3 A — Nature Next Door. Association Films, 25358 Cypress Avenue, Hayword, CA 94544. 27 min. color.
The importance of natural beauty near at hand to the city dweller is stressed. (I)

MP 301.3 — To Build a Better City. Central Mortgage and Housing Corp., Audio Visual Aids. 16 min. color.
A discussion of redevelopment projects. (I)

MP 301.5 G — The Green City. Stuart Finley, Inc. 23 min. color.
Conservation of Natural resources for progress and economy is discussed. A discussion also dealing with urban renewal. (I-A)

MP 333 — The Meaning of Conservation. Coronet Instructional Films, 1954. 11 min. sd., color, 16 min. Study guide.
Explains the preservation of what we have and the rebuilding of what we have lost. (I-A)

MP 333.7 — Adventuring in Conservation. Indiana U. A-V Center. 14 min. sd. color.
Shows boys and girls as they discover the interdependence of plants and animals in nature's communities; how man destroys and upsets these communities; the importance of our natural resources, and what we can do to conserve them. Sets forth camping practices that will aid conservation. (I-A)

MP 333.7 — America the Beautiful. United Artists Association. 20 min. color.
Panorama of America's resources, industries, communities, national parks, mountains, deserts, lakes, rivers, forests. (P-I-A)

MP 333.7 — Bulldozed America. Carrousel Films, Inc. 25 min. b/w.
The bulldozer is used as a symbol of the destruction of America's scenic beauty for industrial and commercial benefits (appeal for action). (I-A)

MP 333.7 — Conservation and the Balance of Nature. International Film Bureau, Inc. 18 min. color.
A discussion of "What Is Man Doing to His Environment?" (I-A)

MP 333.7 — Conserving Our National Resources. BFA 17 min. b/w/color.
Distinguishes between renewable and non-renewable natural resources and describes new methods for using old resources. Stresses the idea we can preserve non-renewable resources by making fullest use of them. (I-A)

MP 333.7 — Forest Conservation. E. B. F. 10 min. color.
Shows how forest devastation affects plants, humans, and other animals. Suggests preventive measures and describes the work of conservationists. (I-A)

MP
333.7
H

A Heritage We Guard. United States National Audio-Visual Center. National Archives and Records Service, Washington, D.C. 20409. 30 min. b/w.
Conservation and preservation of our wildlife and other natural resources is depicted. (I-A)

MP
333.7

Our Natural Resources. Pat Dowling Pictures. 10 min. color.
Conservation of timber, minerals, and water means the wise use and replenishment of the latter. (I-A)

MP
333.7
W

We're On Our Way. Eastman Kodak Company. 25 min.
A film produced by the Coca Cola Company and Eastman Kodak to support the 1966 National Youth Conference on Natural Beauty and Conservation. (I-A)

MP
551

Land and Waters of Our Earth. Coronet. 11 min.
Jimmy, on a picnic, becomes aware of many kinds of earth and water forms on the surface of our earth. (P)

MP
551.4

How Water Helps Us. Coronet, 1967. 11 min. sd. 16mm, with teacher's guide.
When the water supply to his house is temporarily cut off, a young boy learns the importance of water. (P-I)

MP
551.4
ETSPS

Secrets of a Brook. P. I. A. 30 min. sd. b/w.
Character, moods, and meanings of life in a brook are revealed through the eyes of a little girl. (P-I-A)

MP
574

Exploring the World of Nature. S. V. E., 1969. 6fs. color. $6.50 each, $36.00 set.
A survey of conditions, types of plant and animal life found in the city, salt marsh, dunes, desert, and shore; the ecological relationships, and man's exploitation and conservation practices are stressed. (P-I)

MP
574

Life Along the Waterways. EBF., 11 min. color.
Many forms of plant and animal life found near streams, ponds, rivers, and marshes are shown through photography. (P-I-A)

MP
574
N

Nature is For People. AIMS Instructional Media Services, Inc. 1969. 9 min. color.
The contrast between man's response to urban and natural environments is forcefully portrayed. A highly motivational film for environmental education or creative expression. (P-I)

MP
574

Nature's Half Acre. Walt Disney, 1951. 33 min. sd. col. 35mm.
Actual photographs and time-lapse photography are used to present the teeming life to be found in a small plot of land, the struggle for survival among insects, birds, and nature's system of balance--ecology. (I-A)

MP 574 — We Explore the Woodland. Coronet. 11 min., color. $3.00.
Children learn that the woodland is a kind of home shared by many different plants and animals. (P)

MP 574.5 — A Matter of Time. Conservation Foundation. 15 min. color.
This film shows the changes man has made in his environment by his use of it. (I-A)

MP 574.5 — The Tree. Churchill Films. 9 min. color.
Illustrates the many roles played by a tree such as providing a home for certain animals. Shows the way the leaves protect and enrich the soil. Stresses the interdependence of living things. (P-I)

MP 628 — Conserving Our Water Resources Today. Coronet. 11 min.
Methods for conserving surface and ground water, and for reclaiming and purifying water are shown. (I-A)

MP 628 — Water, Friend or Enemy. C.I.A.A. 10 min., color.
A disney production that uses dramatic animation to illustrate the various ways in which a water supply may be polluted and rendered unfit for human use. (I-A)

MP 634.9 — Let's Visit a Tree Farm. Coronet. 10 min. sd., color. NSC-1175.
Follows two young children as they are introduced to the operations on a tree farm. Explains such endeavors as buying seedlings, planting, harvesting, spraying, pruning, and cutting lumber. (P-I)

MP 634.9 — Conserving Our Forests Today. Coronet. 11 min. sd. color.
Relates techniques used to protect and renew our commercial forest lands. Fire and disease are shown, and value and uses of forests are indicated. (I-A)

MP 634.9 — How Trees Help Us. Coronet. 10 min. sd. color. b/w.
A father explains the importance of trees to an intermediate school child. Uses of today and by Indians are pointed out. (P-I)

MP 634.9 — Forest Murmurs. Interlude. 11 min. sd. color.
Scenic beauty of parks and forests is visualized and contrasted with the ugliness that litter and trash can produce. Uses sound track of dramatic music without commentary. (I-A)

MP 796.54 — Camping-A Key to Conservation. Indiana U. A-V Center. 32 min. sd. color, b/w.
This film indicates conservation practices in camping and points out the significance of conservation. (I-A)

PERIODICALS

050
A

Audubon Magazine. National Audubon Society, 1899-illus. $7.00 yr.
Addressed to young people and adults and profusely illustrated, this magazine is devoted to the conservation of our wildlife, wilderness, scenic areas, plants, soil, and water.

050
B

Boys Life. Boy Scouts of America. North Brunswick, N.J. G.S. Barton Co. 1911 - illus. monthly 40 cents ea., $4 yr.
An excellent magazine for all boys. Articles on sports, athletes, science, conservation. The March, 1971 issue has an article "Sixty Years of Conservation" on p. 40.

050
N

National Geographic Magazine. National Geographic Society, 1888-col. illus. maps, monthly. $8.00 yr.
A standard reference on scientific expeditions, animal life, people of other lands and of other times.

050
N

National Geographic School Bulletin. National Geographic Society, n.d. weekly (except June-Sept.) $2 yr.
Written especially for the children of the Society, it may be used either as a classroom magazine or for independent reading.

050
N

Nature and Science. American Museum of Natural History. 1963 illus. 17 nos. yr. $3.00 yr.
Short authoritative articles, illustrated with drawings and photographs over a wide range of science topics for upper elementary children with strong science interests.

050
O

Outdoor Indiana. Indiana Department of Natural Resources, Room 612, State Office Bldg., Indianapolis, Ind. 10 times yr. $3 yr., 50 cents each.
A valuable source of articles about the natural resources of Indiana. Many articles on conservation. Attractive colored pictures of Indiana scenery and wildlife.

050
R

Ranger Rick's Nature Magazine. National Wildlife Federation. col. illus. 10 times a yr. $6.00 yr.
Boys and girls are given a year round program of activities, adventure, and knowledge that will help them enjoy nature, Attractive format, illustrations in color with stories, articles, nature legends, puzzles, how-to-do projects, and a book review column. Available only through membership. A useful teaching aid.

VI

SOURCES OF PROFESSIONAL INFORMATION

Prof 016.5 — A.A.A.S. Science Book List for Children. Deason, Hilary J., Comp., Am. Assoc. for Adv. of Science, c1963, 201 p. $2.75.

Prof 016.333 — Conservation Education: a selected bibliography. Carvajal, Joan, Comp. Interstate, 1968. 98 p. $3.75.
Sponsored by the Conservation Education Association, this list recommends those titles published 1957-1966 which are in print and not difficult to obtain. Limited to books (also paperbacks) on interrelationships of resources. Natural resources. Role of man. Tools for the teacher. Basic collections. Annotated, broad grade level symbols.

Prof 333.7 — Act in Time. 1969.
Office of the State Supt. of Public Instruction. Richard D. Wells, Supt.
A resource guide for art and conservation teaching to improve man's environment.

Prof 333.7 N — Conservation Directory.
National Wildlife Federation. $1.50 per year.
Annual Educational Servicing Dept., 1412 Sixteenth Street N.W., Washington, D.C. 20036.
An ideal reference tool for students and teachers who are concerned about environment--all the names and all the agencies for you to contact in one book.

Prof 333.7 C — Conservation Yearbook. U.S. Dept. of the Interior. U.S. Government Printing Office. c1965-1968 $1.25 ea.
Annual reports to the people from the Department of Interior on the work of the Department and its agencies in the field of conservation.

Prof 500 E — Educator's Guide to Free Science Materials. 1968.
Educators Progress Service, Randolph, Wisconsin.

Prof 574 A — American Educational Publications Ecology Program for Grades 4, 5, and 6. Free Teacher's Guide. 35 cents each (ten or more). American Education Pub., Education Center, Columbus, Ohio, 43216.
Grade 4 Nature and Needs
Grade 5 Habit and Habitats
Grade 6 Problems and Progress

Prof
628
S

"Showdown for Water." Superintendent of Documents, Washington, D.C. 50 cents.
A description of the water pollution program for clean water, past and future plans.

Prof
574.5
W

Experiences With Living Things; an introduction to ecology for five to eight year olds.
Wensberg, Katherine. Beacon Press, c1966. $3.96.
A plan for teaching children about the interdependence of all living creatures. "Backyard activities" are suggested that are to be discussed, read about, sung about, and summarized in story form.

Prof
628

Air and Water Pollution. Dimensions in Health. Kitzinger, PhD. Lyons and Carnahan, c1966.
A unitext to supplement your basic health program on air and water pollution.

VII

PROFESSIONAL PERIODICALS

Conservation News. National Wildlife Federation, 1412 Sixteenth Street N.W., Washington, D.C. 20036.

Conservation Report. National Wildlife Federation, 1412 Sixteenth Street N.W., Washington, D.C. 20036.

The Conservationist. New York State Conservation Department. 1946-v. $2.00 per year.
A handsome magazine with colored and black and white photographs, maps. Informative articles for teachers and good readers in the elementary school.

Cornell Science Leaflet, No. 1. New York State College of Agriculture. 1958-v. illus. $1.00 per year.
Valuable supplementary material on a wide range of topics useful in science but also covers topics like "Nature poetry" and "Conservation."

Environment. Committee for Environmental Information, 438 North Skinker Blvd., St. Louis, Mo. 63130.

Environmental Education News. Michigan Dept. of Natural Resources. Lansing, MI 48926.

Grade Teacher. CCM Professional Magazines, Inc., 22 West Putnam Ave., Greenwich, Connecticut.
This elementary periodical includes practical helps for teaching science, also a review of new science materials.

The Instructor. VI-Owen. 1891 v. illus. monthly (except July and August). $7.00 per year.
Practical articles for the classroom teacher, with much illustrated material, booklists, guidelines for activities. Units on science included.

National Parks Magazine VI. National Parks Association. June 1919-v. illus. $5.00 per year.
For school units on national parks and/or conservation of natural resources; can be worthwhile for conservationists and for related developments in economic and ecological aspects.

National Wildlife VI. National Wildlife Federation. 1962 v. col. illus. bimonthly. $5.00 per year.
Covers every aspect of the enjoyment and conservation of the nation's outdoors resources.

Natural History VI. American Museum of Natural History. 1900 v. col. illus. ports. maps. bimonthly. $5.00 per year.

Nature Conservancy News. Nature Conservancy, 2039 K Street N.W., Washington, D.C. 20026.

Outdoor News Bulletin. Wildlife Management Institute, 709 Wire Building, Washington, D.C. 20005.

Regional Conservation Education Newsletter. Forest Service, U.S. Dept. of Agriculture, 633 W. Wisconsin Ave., Milwaukee, WI 53203.

Science and Children. National Science Teachers Association. 1963. 8 nos. a year. $4.00 per year.
A science journal directed specifically to the elementary science teacher; articles by working science educators at a variety of levels. Practical suggestions for classroom methods and projects.

VIII

CHARTS, PICTURES, TRANSPARENCIES, UNITS OF WORK, POSTERS

Trans
333
L

The Land That Supports Us. U.S. Dept. of Agriculture, Soil Conservation Service, Washington, D.C.
3M Brand Instructional Unit. 23 transparencies.
Visual Products Division, 3M Company, St. Paul, Minn.
The transparencies stress the importance of soil conservation, improper and proper land use, and present the choices we must make. (I-A)

AU
333.7
E

Earth Island. An Introduction to Ecology in Action. Educational Division of Simon and Schuster. $75 set. Workbooks $1.25 ea., 3FS, color with soundtracks on two 12 in. rec. (LP) Teacher's manual and student workbook sample, 22 Eco-Data cards, 4 large color posters. Free 7 in. LP rec. This unit teaches the student ecological concepts about environment. (I-A)

MUR
333.7
E

Ecology Murals (Ready to color)
Environmental Teaching Enterprises. P.O. Box 7271, Riverside, California 95203.
3x6 ft. murals, 5 murals for $7.50.
List of murals includes:
- Environmental Change
- Wildlife Extinction
- Noise Pollution
- Pesticides

AU

Look at Our Environment. E.V.I., Education Ventures, Inc. 209 Court St., Middletown, Conn. 06457.
A new mixed-media unit on environment for middle graders, consists of reading and game materials, stimulates reflective thinking, and creates experiential basis for understanding facts and issues of environmental education. (I)

AU
333.7

My Weekly Readers "Earth Patrol". Earth Patrol Headquarters, My Weekly Reader, American Education Publications, a Xerox Company.
Projects of Earth Patrol campaigns against pollution, contributed by elementary classrooms, are featured in My Weekly Reader. (Songs, posters, poems, bicycle stickers, street markers, collection campaigns, clean-up crews, etc.) (P-I)

Tran
550
W

Water, Air, and Heat. 3M 1965, 25 tranparencies, color. (Science packet, No. 5) (P-I)

AP
574

Our Living World. Instructional Aids, Inc. 5 sets at $7.95 each. Complete series $39.75.
These art prints of the world about us are beautiful photographs by some of the world's most noted wildlife photographers. The series includes:
The Birds (6)
The Mammals (6)
The Fishes (6)
The Insects (6)
The Reptiles (6)
Each study print has a complete description, life history, and information on closely related species. (P-I)

SP
590

Picture-Story Study Prints. Society for Visual Education, Inc.
18" x 13", color photography, lesson material on back of each print. (8 prints in each set) (P-I)

PSSP-100 Basic Science Series

NSP-101	Common Insects
NSP-102	Spring Wild Flowers
NSP-103	Wild Animals, Group 1
NSP-104	Common Birds, Group 1
NSP-105	Pets
NSP	Farm and Ranch Animals

PSSP-200-Basic Science

NSP-107	Moths and Butterflies
NSP-108	Common Fruits
NSP-109	Broadleaf Trees
NSP-110	Animals Without Backbones
NSP-111	Reptiles and Amphibians
NSP-112	300 Animals

PSSP-300 Basic Science

NSP-113	Important Minerals
NSP-114	Common Rocks and Rock-Forming Minerals
NSP-115	Familiar Cloud Forms
NSP-116	Familiar Fresh-Water Fish
NSP-117	Familiar Birds, Their Young and Nests
NSP-118	Land Forms of Running Water

AP
590

Wildlife in the City and Suburbs. Instructional Aid, Inc.
The life cycle of common birds, animals, and insects is presented in sequence. Each set contains four study prints in full color printed on 13 x 18 inch card stock and packaged in plastic folder.
Photographs coated with varnish. Background information on back.
Complete series $48.00. (P-I) Individual titles at $6.00.
Red Fox; Bull Frog; Raccoon; Opossum; Polyphemus moth; Cottontail rabbit; Snapping turtle; Monarch butterfly.

Ph
628

The Vandalized Environment. Documentary Photo Aids, Sarasota, Florida. Set of 25 (11" x 14" blowups) $14.00.
Pictures of smog, water pollution, solid waste pollution, diseased plants and animals, and atomic explosions are included.
Documentation of the discovery that the earth does not belong to us, but we to it and that it is easier to destroy than to manufacture. (P-I-A)

IX

ORGANIZATIONS

(Sources for Material on Ecology, Conservation, and Pollution)

American Forestry Associations. 919 Seventeenth Street N.W., Washington, D.C. 20005.

American Iron and Steel Institute. Education Department, 150 East Forty-Second Street, New York, N.Y. 10017.

American Petroleum Institute. 1217 Avenue of the Americas. New York, N.Y. 10020.

Federal Water Pollution Control Administration. U.S. Department of the Interior. Supt. of Documents, U.S. Govt. Printing Office, Washington, D.C.

Humble Oil and Refining Co. P.O. Box 2180, Houston, Tx. 77001.

Izaak Walton League of America. 1326 Waukegan Road, Glenview, Ill. 60025. This organization has encouraged the teaching of conservation and environmental education in the schools of Indiana.

Keep America Beautiful, Inc. 99 Park Avenue, New York, N.Y. 10016.

Manufacturing Chemists Assoc. 1825 Connecticut Avenue N.W., Washington, D.C. 20009.

National Coal Association. Coal Building, 1130 Seventeenth Street N.W., Washington, D.C. 20036.

Office of Conservation Education. U.S. Department of the Interior, C Street between 18 and 19 Streets N.W., Washington, D.C. 20240.

Resources for the Future, Inc. 1775 Massachusetts Avenue N.W., Washington, D.C. 20036.

St. Regis Paper Company. 150 East 42 Street, New York, N.Y. 10017.

Standard Oil Company. 30 Rockefeller Plaza, New York, N.Y. 10020.

U.S. Geological Survey. Information Office. U.S. Department of the Interior, Interior Building, Washington, D.C. 20242.

Imperial Film Company, Inc. 4404 S. Florida Avenue, Lakeland, Florida 33803.

U.S. Department of Health, Education, and Welfare. Public Health Service. Environmental Health Service, National Air Pollution Control Administration.

Superintendent of Documents. U.S. Government Printing Office, Washington, D.C. 20402.
A rich source of materials on all subjects of National concern, including all phases of ecology. Free or inexpensive.

National Wildlife Federation. 1412 Sixteenth Street N.W., Washington, D.C. 20036.
Free list of educational publications from the world's largest non-profit conservation organization.
Source for Conservation Education Publications.

Soil Conservation Service. U.S. Department of Agriculture. Source of booklet, "More Wildlife Through Soil and Water Conservation," Agriculture Information Bulletin No. 175.

X

DIRECTORY OF BOOK PUBLISHERS

Abelard-Schuman
Abelard-Schuman, Ltd., 6 W. 57th St., New York, N.Y. 10019.

Abingdon
Abingdon Press, 201 Eighth Ave. S., Nashville, Tenn. 37203.

Acropolis
Acropolis Books, Colortone Building, 2400 Seventeenth Street N. W., Washington, D.C. 20009.

Addison-Wesley
Addison-Wesley Publishing Co. Inc., Reading, Mass. 01867.

American Museum
American Museum of Natural History, Central Park West at 79th Street, New York, N.Y. 10024.

Atheneum
Atheneum Publishers, 162 E. 38th St., New York, N.Y. 10016.

Benefic Press
Benefic Press, Beckly-Cardy Company, 1900 N. Narragansett, Chicago, Ill. 60639.

Bobbs
Bobbs-Merrill Company, Inc., 4300 West 66th Street, Indianapolis, Ind. 46206.

Boy Scouts of America
Supply Division, Boy Scouts of America, North Brunswick, N.J. 08902.

Children's Press
Children's Press, Inc., 1224 W. Van Buren St., Chicago, Ill. 60607.

Coward-McCann
Coward-McCann, Inc., 200 Madison Ave., New York, N.Y. 10016.

Cowles
Cowles Book Company, Inc., Look Bldg., 488 Madison Ave., New York, N.Y. 10032.

Creative Education
Creative Educational Society, Inc., 515 N. Front Street, Mankato, Minn. 50001.

Crowell
Thomas Y. Crowell Company, 201 Park Ave. S., New York, N.Y. 10003.

Crown
Crown Publishers, Inc., 419 Park Ave. S., New York, N. Y. 10016.

Day
The John Day Company, 62 W. 45th St., New York, N.Y. 10036.

Dial
The Dial Press, Inc., 750 Third Ave., New York, N.Y. 10017.

Dodd
Dodd, Mead & Company, Inc., 452 Park Ave. S., New York, N.Y. 10016.

Doubleday
Doubleday and Company, Inc., 277 Park Ave., New York, N.Y. 10017.

Follett
Follett Publishing Company, 1010 W. Washington Blvd., Chicago, Ill. 60607.

Garrard
Garrard Publishing Company, 1607 N. Market Street, Champagne, Ill. 61820.

Golden Gate
Golden Gate Junior Books, Box 398, San Carlos, Calif., 94070.

Golden
Golden Press Publishers, 850 Third Ave., New York, N.Y. 10022.

Grosset
Gorsset & Dunlap, Inc., 51 Madison Ave., New York, N.Y. 10010.

Harcourt
Harcourt, Brace & World, Inc., 757 Third Ave., New York, N.Y. 10017.

Harper
Harper and Row, Publishers, 49 E. 33rd St., New York, N.Y. 10016.

Harvey House
Harvey House, 5 S. Buckhout St., Irvington-on-Hudson, N.Y. 10533.

Hastings House
Hastings House, Publishers, Inc., 151 E. 50th St., New York, N.Y. 10022.

Hawthorne
Hawthorne Books Inc., 70 Fifth Ave., New York, N.Y. 10011.

Knopf
Alfred E. Knopf, Inc., 501 Madison Ave., New York, N.Y. 10022.

Lippincott
J.B. Lippincott Company, E. Washington St., Philadelphia, Pa. 19105.

Little
Little Brown & Company, 34 Beacon St., Boston, Mass. 02106.

Lyons and Carnahan
Lyons and Carnahan Educational Publishers, 2500 Prairie Ave., Chicago, Ill.

Macrae

Macrae Smith Company, Lewis Tower Bldg., 225 S. 15th St., Philadelphia, Pa. 19102.

McGraw

McGraw-Hill Book Company, Inc., 330 W. 42nd St., New York, N.Y. 10036.

McKay

David McKay Company, Inc. Publishers, 750 Third Avenue, New York, N.Y. 10017.

Macmillan

The Macmillan Company, Publishers, 866 Third Avenue, New York, N.Y. 10019.

Melmont

Melmont Publishers, Inc., 1224 W. Van Buren Street, Chicago, Ill. 60607.

Meredith

Meredith Press, 1716 Locust St., Des Moines, Iowa 50303.

Messner

Julian Messner, Inc., 1 West 39th St., New York, N.Y. 10018.

Morrow

William Morrow & Company, Inc. Publishers, 425 Park Av. S., New York, N.Y. 10016.

National Geographic Society

National Geographic Society, 17th & M Streets N.W., Washington, D.C. 20036.

National Wild. Fed.

National Wildlife Federation, 1412 Sixteenth Street N.W., Washington, D.C. 20036.

Natural Hist.

Natural History Press, 501 Franklin Ave., Garden City, N.Y. 11530.

Norton

W.W. Norton & Company, Inc. Publishers, 55 Fifth Avenue, New York, N.Y. 10003.

Prentice-Hall

Prentice-Hall, Inc., Route 9 W, Englewood Cliffs, N.J. 07632.

Putnam

G.P. Putnam's Sons, 200 Madison Ave., New York, N.Y. 10016.

Rand

Rand McNally & Company, Box 7600, Chicago, Ill. 60680.

Scribner

Charles Scribner's Sons, 597 Fifth Ave., New York, N.Y. 10017.

Seabury
The Seabury Press, Inc., 815 Second Ave., New York, N.Y. 10017.

Simon and Schuster
Simon & Schuster, Inc. Publishers, 630 Fifth Ave., New York, N.Y. 10020.

Time, Inc.
Time, Incorporated, Book Division, Time & Life Building, Rockefeller Center, New York, N.Y. 10020.

U.S. Department of the Interior
Bureau of Sport Fisheries and Wildlife
Fish and Wildlife Service
U.S. Government Printing Office, Washington, D.C. 20402.

Van Nostrand
D. Van Nostrand Company, Inc., 120 Alexander Street, Princeton, N.J. 08540.

Viking
The Viking Press, Inc., 625 Madison Ave., New York, N.Y. 10032.

Walck
Henry Z. Walck, Inc. Publishers, 19 Union Square W., New York, N.Y. 10003.

Watts
Franklin Watts, Inc., 575 Lexington Ave., New York, N.Y. 10022.

Westminster Press
Westminster Press (Westminster Book Stores), Room 908, Witherspoon Bldg., Walnut and Juniper Sts., Philadelphia, Pa. 19107.

World Pub.
The World Publishing Company, 2231 West 110th Street, Cleveland, Ohio 44102.

Young Scott Bks.
William R. Scott, Inc., 333 Avenue of the Americas, New York, N.Y. 10014.

XI

DIRECTORY OF PUBLISHERS OF AUDIO-VISUAL MATERIALS

Association Films (Distributors), 25358 Cypress Avenue, Hayword, Calif.

Bailey Film Associates, 6509 DeLongpre Avenue, Hollywood, Calif. 91201.

Carrousel Films, Inc., 1501 Broadway, New York, N.Y.

Central Mortgage and Housing Corporation, Audio-Visual Aids, Ottawa 7, Canada.

Churchill Films, 662 North Robertson Blvd., Los Angeles, Calif. 90069.

Conservation Foundation, 125 Connecticut Avenue N.W., Washington, D.C. 20036.

Coronet Instructional Films, 65 East South Water Street, Chicago, Ill. 60601.

Documentary Photo Aids, P.O. Box 2620, Sarasota, Fla. 33578.

Eastman Kodak Company, 343 State Street, Rochester, N.Y. 14650.

Educational Reading Service, East 64 Midland Ave., Paramus, N.Y. 07652.

Encyclopedia Britannica Educational Corporation, 425 North Michigan Avenue, Chicago, Ill. 60611.

Eye Gate House, 146-01 Archer Street, Jamaica, N.Y. 11435.

Imperial Film Company, 321 South Florida Ave., Lakeland, Fla. 33802.

Indiana University A-V Center, Office for Academic Affairs, Indiana University, Bloomington, Ind.

Interlude Films, 1508 Crossroads of the World, Hollywood, Calif. 90028.

International Film Bureau, Inc., 332 South Michigan Avenue, Chicago, Ill. 60604.

Instructional Media Services, Inc., P.O. Box 1010, Hollywood, Calif. 90028.

McGraw-Hill Book Company, 330 West 42nd Street, New York, N.Y. 10036.

Pat Dowling Pictures (now distributed by Bailey), B.F.A. Ed. Media, 2211 Michigan Ave., Santa Monica, Calif. 90404.

Society for Visual Education, 1345 Diversey Parkway, Chicago, Ill. 60614.

Stuart Finley, Inc., 3428 Mansfield Road, Falls Church, Va. 22041.

United Artists Association, 555 Madison Avenue, New York, N.Y. 10022.

United States National Audio-Visual Center, National Archives and Records Service, Washington, D.C. 20409.

Walt Disney 16mm Films, 800 Sonora Avenue, Glendale, Calif. 91201.

INDIANA STATE UNIVERSITY

GRADUATE PROGRAMS IN EDUCATION

Programs of graduate study in education at Indiana State University include the following:

- The Master of Arts and Master of Science Degrees for Elementary Teachers
- The Master of Arts and Master of Science Degrees for Secondary Teachers
- The Master of Arts in Education and the Master of Science in Education with majors offered in the areas of Early Childhood Education, Educational Administration (Elementary), Educational Administration (Secondary), Elementary Education, Guidance and Counseling, Instructional Systems Technology, Mental Retardation, Reading Instruction, School Psychometry, Secondary Education, Special Education - Director, Speech Pathology.
- The Master of Science — Agency Counseling Curriculum
- The Master of Science — College Student Personnel Work Curriculum
- The Master of Arts and Master of Science — Educational Psychology Curriculum
- The Master of Science — Special Education Curriculum
- Graduate non-degree programs for certification for School Services Personnel and Administration
- The Educational Specialist Degree with majors offered in the areas of Elementary Education, Guidance, School Administration, School Psychology, Secondary Education, and Supervision and Curriculum Development.
- The Doctor of Philosophy Degree in Educational Administration, Elementary Administration, Guidance and Psychological Services, and Secondary Education.

For further information write:

Assistant Dean for Graduate Studies
School of Education
Indiana State University
Terre Haute, Indiana 47809

Additional copies of this bulletin may be ordered from:

CURRICULUM RESEARCH AND DEVELOPMENT CENTER
School of Education
Indiana State University
Terre Haute, Indiana 47809

Also available:

INDIANA MIDDLE SCHOOL SURVEY

NON-PUBLIC PRESCHOOL PROGRAMS IN INDIANA

CURRICULUM CHANGE AND INNOVATION IN THE JUNIOR HIGH SCHOOL

A DEVELOPING CURRICULUM IN ENGLISH
Kindergarten through Grade Twelve

SOCIAL STUDIES IN INDIANA ELEMENTARY SCHOOLS

DEVELOPMENTAL LEVEL OF CURRI[illegible]UM CHANGE AND INNOVATION IN INDIANA [illegible]MENTARY SCHOOLS

ROLE AND STATUS OF CURRICULUM WORKERS IN INDIANA

ROLE AND STATUS OF CONTENT, MEDIA, AND SPECIAL SERVICES SUPERVISORS

INNOVATION IN INDIANA SCHOOLS

CONSERVATION EDUCATION IN INDIANA SCHOOLS